2. The nucleic acid of Claim 1, wherein said nucleotide sequence comprises the nucleotide sequence set forth in SEQ ID NO:3 or a fragment thereof of at least 18 base pairs up to the full length of the open reading frame encoding said amino acid sequence.

4. A nucleic acid fragment that hybridizes to SEQ ID NO: 3 under stringent hybridization conditions and has other than a nucleotide sequence as shown in Figure 2.

9. An isolated nucleic acid construct comprising a transcriptional initiation sequence operably linked to SEQ ID NO:3.

11. The vector of Claim 10 wherein, SEQ ID NO:3 is operably linked in a sense orientation with respect to said transcriptional initiation sequence.

12. The transcriptional initiation sequence of Claim 9, wherein said initiation sequence provides wound induced expression of SEQ ID NO:3.

15. A method of producing a transgenic cell having altered phenylalanine ammonia-lyase levels, said method comprising:

introducing an expression cassette comprising a transcription initiation sequence operably linked to an open reading frame coding for SEQ ID NO:1 or an enzymatically active fragment thereof, and;

growing said cell whereby said open reading frame is expressed and a cell having altered phenylalanine ammonia-lyase is produced.